

Name: _____

Date: _____

Difference Quotient

Calculus

Find $\frac{f(x+h)-f(x)}{h}$ for each of the following:

1) $f(x) = -5x^2 + 3x - 7$

2) $f(x) = 4x^3 + 6$

3) $f(x) = \sqrt{7x-8}$

4) $f(x) = \sqrt{9-5x}$